

VASILEV, N.; GEORGIEV, Iv.

Agensis of the septum pallucidum and its significance in the pathogenesis of epilepsy. Khirurgia, Sofia 12 no.11:966-975 '59.

1. Institut za spetsializatsia i usuvurshenstvuvane na lekarite - Sofia. Katedra po nevrokhirurgia. Zav.katedrata: prof. F. Filipov. Vissh meditsinski institut - Sofia, Katedra po nervni bolesti. Zav.katedrata: dots. S. Bozhinov.

(EPILEPSY etiol.)

(CEREBRAL VENTRICLES abnorm.)

VASILEV, N.

Surgical therapy of goiter. Khirurgiia, Sofia 14, no.1:57-64 '61.

1. Vissh voenno meditsinski institut.

(GOITER surg)

FILIPOV, F., prof.; VASILEV, N.; VETSKA, P.

Bone tumors of the skull, Khirurgiia, Sofia 14 no.2/3:294-296 '61.

1. Klinika po nevrokhirurgii pri Instituta za spetsializatsiia i usuvurshenstvuvane na lekarite.

(SKULL neopl)

RAICHEV, R., dots.; VASILEV, N.; KOMITOVSKI, D.

On the problem of benign osteoblastomas. Khirurgiia (Sofia) 14 no.10:
883-887 '61.

1. Vissh meditsinski institut, Sofiia, klinika po ortopediia i
travmatologiia. Direktor: prof. B. Boichev. Institut za spetsializatsiia
i usuvurshenstvuvane na lekarite, Sofiia katedra po nevrokhirurgiia
Zav. katedrata: prof. F. Filinov.

(SARCOMA OSTEOGENIC)

VASILEV, N.; DENINSKY, L.; POPOV, M.

Repeated surgery on the biliary tract. Khirurgia 15 no.12:
1091-1095 '62.

1. Visshe voennomeditsinski institut. Nachalnik: prof.
G. Krastinov.
(BILIARY TRACT) (CHOLELITHIASIS)

.....

PIKHAS, A., Major (Major), and VASILEV, N., Colonel (Polkovnik), both in the Medical Corps (Meditsinskata Sluzhba).

"Postoperative Pancreatitis."

Sofia, Voenna Meditsinsko Delo, Vol 18, No 5, October 1963, pp 26-31.

Abstract: [Authors' Russian summary modified] The authors discuss a rare but extremely significant complication subsequent to abdominal operations which frequently ends in death if not recognized and treated in good time. Analysis of four sufferers from postoperative pancreatitis leads the authors to draw special attention to early clinical symptoms as of great importance to correct diagnosis. Stress is laid on investigation of the diastase and attentive followup care during the postoperative period. Conservative therapy is recommended with the application of "trazilol." In the event such treatment is inadequate to stem progressive necrosis in the pancreas, the authors propose revision of the abdominal cavity with an opening of the capsule of the gland to permit drainage.

Eight Soviet-bloc and two Western references.

1/1

VASILEV, N., dots.; CHIFCHIIAN, B.

Echinococcosis of the thyroid gland with manifestations of thyrotoxicosis. Khirurgia (Sofia) 16 no.8:777-779 '63.

1. Iz Visshia voenno-meditsinski institut - Sofia.
(ECHINOCOCCOSIS) (THYROID DISEASES)
(HYPERTHYROIDISM) (DIAGNOSIS, DIFFERENTIAL)

VASILEV, N., dots; DENINSKI, L.

Multiple disseminated polyposis of the small intestine. Khirurgia
(Sofia) 16 no.11:1029-1030 '63.

1. Iz I khirurgichno otdelenie pri Visshia voennomeditsinski in-
stitut, Sofia.

4

VASILEV, N. dots; ATANASOV, A.

Hazards and complications in thyroid gland surgery. Khirurgiia (Sofia) 16 no.12:1083-1092 '63.

1. Visshe voennomeditsinski institut. Nachalnik: dots. At. Maleev.

*

KRUSTINOV, G., prof.; VASILEV, N., dots.; BELOV, St.; TSANKOV, N.

Our experience with geriatric surgery. (Analysis of 350 treated cases). Khirurgiia 17 no.2:181-183 '64.

1. Iz Visshia voennomeditsinski institut, Sofia.

VASILEV, N., doctant

Our experiences with thyroid surgery among the aged.
Khirurgiia 17 no.2(192-193) '64.

1. Iz Viashtna vospreditsianski institut, Sofia.

VASILEV, N., dotsent; TSANKON, N.; DENINSKI, L.; CHIFCHILIAN, B.; MERDZHANOV, A.

Surgical risk in abdominal surgery in old age. *Khirurgiia*
17 no.2:209-211 '64.

1. Iz Visshia voennomeditsinski institut, Sofia.

L 7683-66

ACC NR: AP6000935

SOURCE CODE: BU/0017/65/020/002/0013/0019

AUTHOR: Vasiliev, N. (Assistant professor; Colonel); Tsankov, N. (Lt. Colonel);
Pinkas, A. (Lt. Colonel)

ORG: none

TITLE: Early complications following resection of the stomach

SOURCE: Voenno-meditsinsko delo, no. 2, 1965, 13-19

TOPIC TAGS: digestive system, gastroenterology, surgery

ABSTRACT: [Author's Russian summary, modified]: The article analyzes early complications after resection of the stomachs of 375 patients. Most of the complications consisted of disturbances of the evacuatory function -- in 91 cases. They were treated conservatively with good results. One of them required repeated laparotomy and examination of the anastomosis. The most severe complications were those with prolapse of the anastomosis and sutures of the duodenal stump -- a total of 2.61%. The immediate postoperative mortality was 3.08% of the total: 0.90% in excision of an ulcer and 20.50% in openings of the stomach on account of malignant tumors of the stomach. Orig. art. has: 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 001 / SOV REF: 004

Card 1/1

VASICLEV, N.; BRAKALOV, E.

The life of fluorescent lamps, p. 28.

Spravochnik po tsvetni metali i splavi. Sofia, Bulgaria. Vol. 10,
no. 8/9, Aug./Sept. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,
February, 1960, Uncl.

VASILEV, Nikolai

Concerning the computation of the street light in accordance to given average lighting. Elektroenergiia 12 no.10:7-9 '61.

(Street lighting)

VASILEV, Nikolai, inzh.

Street lighting in the German Democratic Republic. Elektroenergiia
13 no.1:24-26 Ja '62.

1. Mashino-elektrotekhnicheski insitut.

BRAKALOV, Boris, inzh.; VASILEV, Nikola, inzh.

New standards for street lighting. Elektroenergiia 13 no.9:
15-18 S '62.

VASILEV, Nikolai, inzh.; KOLAROVA, Ganka, inzh.; KIRADZHIEV, Dimitur, inzh.

Construction and luminous and electric characteristics of
new mercury-arc fluorescent lamps. Tekhnika Bulg. 12 no.3:
12-15 '63.

VASILEV, N., inzh.; BOGATEV, K., dots.; DZHONOVA, E., inzh.

Experimental studies of the influence of environment
temperature on the working of fluorescent lamps.
Elektrotenergiia 14 no.11:5-9 N'63.

VASILEV, N., izh.

One more view on the problem of fluorescent and luminescent
lamps. Elektroenergiia 15 no.8:31-32 Mr '64

VASILEV, N.I.

Optimum height for putting up the street lights. Godishnik mash
elekt 9:33-42 '61. [publ. '62]

VASILEV, N. I.; BOGATEV, K. I.; MARINOV, IU. P.; DZHONOVA, E. A.

A device for automatic switching on of street lighting depending on the level of the natural horizontal illumination and the exterior temperature. Godishnik mash elekt 12 no. 2:5-18 '62 [publ. '63].

VASILEV, N. I.; GENKOV, N. T.

Computing open networks by the permissible voltage loss at minimal loss of power. Godishnik mash elekt 12 no. 2: 49-64 '62 [publ. '63].

VLUCHKOV, P.M.; VASILYEV, N.I.; GENKOV, H.T.

Computation of the low and average voltage disconnected networks
according to the minimal loss of energy. Godishnik mash elekt 13
no.2:49-58 '63 [publ. '64]

ASILEY, E.J.

representation of light reflection from illuminants by the Fourier
trigonometric series. Gen. Zhuk mash elekt 13 no.2:219-230 '63
[publ. '64].

VASILEV, P.

Proper Calcining of Porcelain Goods. Light Industry, #6:29:Jun 55

VASILEV, P.

Utilization of waste from production of porcelain ware. p. 29

LEKA PROISHLEENOST. Vol. 5, No. 3, 1956

Sofia, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

VASILEV, P.

Standardizing the dimensions of saggars.

P. 14, (Lika Promishlenost) Vol. 6, no. 1, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No 11 November 1957

VASILEV, P.

Management of the stone quarries of the construction ceramic enterprises.
p. 23. Leka Promishlenost Vol. 7, No. 4, 1956. Sofia Bulgaria.

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,
Oct. 58

VASILIN, P.

"Banquette drying places for bricks."

IMKA PROMISHLENOST, Sofia, Bulgaria, Vol. 8, No. 4, 1959.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 8, No. 8, 1959, August.

Unclassified.

VASILEV, P. ; BONCHEV, K.

Expediency in the introduction of diesel-locomotive service in some parts of our railroad system.

P. 10, (Transportno Delo), Vol. 9, no. 3, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

VASILEV, P.

Prospects of the development of forestry in the USSR. Tr. from the Russian. p. 1

SYLWAN, (Wydział Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland. Vol. 103, no. 4, Apr 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959.
Uncl.

VASILEV, retor, inzh. geolog.

Uranium in nature. Prir i znanie 17 no.5:19-20 My'64.

VASILEV, P.; VELCHEV, V.; PEEV, Iv.

Application of mathematical statistics in the Govezhda gold ore deposits. Spis Bulg geol druzh 25 no.3:257-266 '64.

1. Central Administration of Geologic Research, Sofia, and Institute of Mining Geology, Sofia. Submitted February 6, 1964.

VASILEV, Petur A.

Stud' : on the coeffi of content variation. Spis Bulg
gec : druzh 25 no.3:285-289 '64.

1. Administration of Geologic Research, Sofia. Submitted
January 18, 1964.

VASILEV, P. S. Cand Tech Sci -- (diss) "The ^{production} ~~Obtainment~~ of
Viscose Cellulose From ~~KXXXXXXX~~ Smut Straw." Len, 1957. 13 pp
19 cm. (Min of Higher Education USSR, Len Order of Lenin
Forestry Engineering Academy im S. M. Kirov), 100 copies
~~(KL)~~ (KL, 27-57, 106)

- 28 -

VASILEV, R.

"Shortening some account forms for giving account of the intermediate products and materials."

p. 13 (Otchetnost I Kontrol, Vol. 6, no. 12, 1957, Sofia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

VASILEV, R.

Occupational injuries during 1956, 1957 and 1958 in the region of the Third Polyclinic in Plovdiv. Khirurgia, Sofia 12 no.11:1008-1013 '59.

1. Treta poliklinika - gr. Plovdiv. Gl.lekar: P. Shopov.
(ACCIDENTS INDUSTRIAL statist.)

BULGARIA/Farm Animals. Swine

Q-3

Abstr Jour : Ref Zhur - Biol., No 8, 1958, No 35681

Author : Vasilov Rsvyatko

Inst : Not Given

Title : The State of Swine Breeding in Bulgaria (Rasprostraneniye porod svinoy v Bolgarii)

Orig Pub : Zhivotnovodstvo i vet. delo, 1957, 11, No 8, 30-35

Abstract : The Bulgarian White improved breed of swine constitutes 83.76% of the whole stock of the country, the East Balkan breed - 6.88%, the Mangalitza breed - 0.60%. The Mirgorod, Cornwell and Berkshire breeds are also met with. The pure-bred swine constitute 94.14% of the stock. The Bulgarian White swine belongs to the meat-fat type and its fertility is 10-11 pigs per litter. The weight of the young pigs at 30 days of age is 5-6 kg., and at 2 months of age it is 12-15 kg. The fattened swine yields 35% of fat. The East Balkan primitive swine of the fat-type, with a fertility of 4-5 pigs per litter, is chiefly maintained on pasture. The

Card : 1/2

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BULGARIA/Farm Animals. Swine

Q-3

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35681

Mangalitsa, a semi-primitive fat-type brood with a fertility of 5-6 pigs per litter, is suitable for pasture maintenance. The fat yield in a fattened swine amounts to 50%. The Mangalitsa brood may be successfully used in industrial crossing.

Card : 2/2

MITOV, A.; STANEV, Kh.; TERZIEV, G.; PANTEV, I.; VASILEV, S.

Clinical observations on hemorrhagic fever in Polianovgrad. Suvrem. med.,
Sofia 8 no.5:3-9 1957.

1. Iz vutreshnata propedevtichna klinika pri VMI I. P. Pavlov - Plovdiv
(zavezhdashch: dots. A n Mitov) i Obединената градска болница--Polianov-
grad (Gl. lekar: Ang. Manev).
(EPIDEMIC HEMORRHAGIC FEVER, epidemiology,
in Bulgaria (Bul))

VASILEV, S.

VASILEV, S. Utilization of the method of ejection in hydroelectric plants and hydrotechnic constructions. p. 12.

Vol. 3, No. 7, 1956.

STRAITSTVO

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1956

VASILOV, S.

Hydraulic claculation of dimenstions of artesian wells having rectangular
cross sections. P. 32.

TEKHNIKA. Vol. 5, No. 3 May/June 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

VASILEV, S.

"Aerodynamic method in hydraulic research."

p. 78, (Khidrotekhnika i Melioratsii, Vol. 3, no. 3, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec 1958.

VASILEV, S.

Hydraulic calculation of expanding jets. p. 161.

IZVESTIIA. Bulgarska akademija na naukite. Tekhnicheski institut. Sofia, Bulgaria, Vol. 7/8, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, No. 1, January 1960.

Uncl.

VASILEV, St.

Hydraulic jump in a canal with trapezoidal transversal section.
Izv Inst vodni probl 2:119-126 '64.

VASILEV, St., inzh.; KAINOV, Stilian, inzh.; FICHEV, Georgi, inzh.; NINOV,
~~IIII~~

Hydraulic study of the Osmeni Petroleum Pier. Izv Gidrav Lab 5:169-
185 '64.

VASILEV, St.

Conditions for the issuance of diplomas. Radio i televiziia 8
no.7:197 '64.

VASILEV, St.

Bulgarian philosophic front fighting against the bourgeois philosophy
and revisionism. Spisanie BAN 6 no.2:118-122 '61.

VASILEV, Stefan, k.t.n. inzh.; MIKHAILOV, Mikhail, inzh.

Deformations caused by the nonuniform changes of moisture in
dams. Khidrotekh i melior 8 no.3:67-69 '63.

VASILEV, Stefan, k.t.n.inzh.; MIKHAILOV, Mikhail, inzh.

Natural and model tests of dam stresses due to concrete shrinkage and swelling. Khidrotekh i melior 8 no.9:265-268 '63.

S/188/62/000/001/008/008
B145/B110

AUTHORS: Vasil'ev, S. S., Romanovskiy, Ye. A., Timushev, G. F.

TITLE: Absorption cross sections of Cu^{63} and Cu^{65} nuclei for 6.6-Mev protons

PERIODICAL: Moscow Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 1, 1962, 94 - 95

TEXT: Inelastic scattering of 6.6-Mev protons from Cu^{63} and Cu^{65} was studied, since contrary to $\sigma_{p,n}$ and $\sigma_{p,\alpha}$ the component $\sigma_{p,\gamma}$ of the absorption cross section (σ_r) has hardly been investigated. The measuring technique has been described previously (Trudy II Vsesoyuznoy konferentsii po yadernym reaktsiyam pri malykh i srednykh energiyakh (Proceedings of the Second All-Union Conference on Nuclear Reactions at Low and Medium Energies). M., 1960 (in print)). Results are listed in a table. Accuracy is 5 - 7 % for nonoverlapping peaks and about 15 % for overlapping peaks. The measured values show that inelastic scattering takes place via formation of a compound nucleus. The absolute partial cross sections were calculated by using

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B145/B110

Absorption cross sections...

data of Mazazi (Ref. 5, see below) on the relative intensities of inelas-⁶³ tically scattered proton groups corresponding to the excitation of ⁴⁶ Cu levels and ²¹ Cu⁶⁵ levels ($E_p = 6.51$ Mev). The sums of the relevant partial cross sections are 240 ± 30 mb (⁶³ Cu) and 70 ± 15 mb (⁶⁵ Cu), and were set equal to $\sigma_{p,p'}$. The cross section $\sigma_{p,p'}$ of inelastic scattering via the compound nucleus formation was estimated on the basis of data on inelastic scattering with excitation of the first level: about 20 - 25 mb for ⁶³ Cu, and about 10 - 15 mb for ⁶⁵ Cu. From these results and from published data on $\sigma_{p,n}$ and $\sigma_{p,\alpha}$, σ_r was calculated to be 600 mb (⁶³ Cu) and 617 mb (⁶⁵ Cu). ✓

A comparison of these data with those obtained from the optical model can answer the question whether low-energy protons are absorbed by a thin surface layer or by the entire volume of the nucleus. A. P. Klyucharev is mentioned. There are 1 table and 7 references: 3 Soviet and 4 non-Soviet. The 3 references to English-language publications read as follows: Bjorklund F. E., Fernbach S., Phys. Rev., 10, 1295, 1958; Ref 5: Mazazi M., Buechner W., Figueiredo R. P., Phys. Rev., 108, 373, 1957; Benveniste J., Rooth R.

Card 2/3

Absorption cross sections...

S/188/62/000/001/008/008
B145/B110

Mitchell A., Phys. Rev. 123, 1819, 1961.

ASSOCIATION: NIIYaF MGF

SUBMITTED: December '26, 1961

Table. Legend: (1) nucleus; (2) level, Mev; (3) differential inelastic scattering cross section, mb/steradian.

① Ядро	② Уровень в Mev	③ Дифференциальное сечение неупругого рассеяния в мб/стерад							
		48°07	65°05	77°23	89°52	106°56	122°09	136°45	150°58
Cu ⁶³	0,657±0,007	0,93	0,93	0,89	0,89	0,90	0,92	0,92	0,94
→→	0,956±0,008	1,44	1,45	1,44	1,48	1,45	1,44	1,42	1,42
→→	1,328±0,015	—	1,14	1,06	1,16	1,20	1,13	1,15	1,20
→→	1,419±0,015	1,06	1,12	1,02	1,16	1,12	1,05	1,16	1,23
→→	1,544±0,015	1,01	0,89	0,90	0,97	0,93	0,92	0,99	0,80
→→	1,856±0,015	0,72	0,77	0,68	0,72	0,58	—	0,72	0,58
Cu ⁶⁵	0,777±0,008	—	0,68	0,58	0,58	0,70	0,55	0,59	—
→→	1,106±0,008	—	1,1	0,98	0,99	1,20	1,06	—	1,03

Card 3/3

VASILEV, T.; DIMITROV, N.

Considerations on the distribution of goiter in the borrow
Fakultet in Sofia. Suvrem. med., Sofia 7 no.6:24-38 1956.

1. Iz Katedrata po bolnichna terapija pri VMI - Sofia
(Zav. katedrata: prof. A. Pukhlev).
(GOITER statistics,
in Bulgaria (Bul)) ||

VASILEV, T.; DIMITROV, N.

Distribution of hypertension in the *gypsy* minority. *Suvrem. med.*, Sofia 7 no.10:69-78 1956.

1. Iz Katedrata po bolnichna terapija pri VMI - Sofia
(Zav. katedrata: prof: Al. Pukhlev).
(HYPERTENSION, statist.
in *gypsies*)

ASTRUG, A.; VASILEV, T.; DOCHEV, D.

On certain clinical problems in paraproteinemia with a report of 3 cases. Suvrem med., Sofia no.7-8:115-127 '60.

1. Iz Katedrata po vutreshni bolesti s terpania pri VMI, Sofia
(Rukov. na katedrata prof. A.Pukhlev)
(SERUM GLOBULIN)
(BLOOD PROTEINS)

VASILEV, T.; ILIEVA, V.

On the problem of autoimmune hemolytic anemias. Suvr. ned. 16
no. 4:204-215 ' 65.

1. Vissh meditsinski institut, Sofia, Katedra po bolnichna
terapiia (rukovoditel - chl.-kor. prof. A. Pukhlev), Labo-
ratoriia po izoserologiya, imunokhematologiya i krvoprelivane
(zav. laboratoriiata k.m. V. Ilieva).

VASILEV, T., dots.

Passage of cold neutrons through double layers. Trud Pedag
inst Plovdiv 1 no.1:37-52 '63.

1. Head, Chair of General Physics, Higher Pedagogic
Institute, Plovdiv.

VASILEV, T., dots.; MIRCHEV, St.; MIKHAILOV, H.

Interferometric studies of Plexiglas thermoelectrets. Trid
Pedag inst Plovdiv 1 no.1:65-74 '63.

1. Chair of General Physics, Higher Pedagogic Institute,
Plovdiv. Head: Assistant Professor T. Vasilev.

VASILEV, Ts., inzh.; RADEV, R., inzh.

For an increased labor productivity in ore dressing. Min
delo 18 no.10:8-13 0'63.

1. "Niproruda" (for Vasilev). 2. Bulgarska akademija na
naukite, Komisiia po izuchavane na proizvodnite sili.

S/188/62/000/003/001/012
B111/B112

34.4400

AUTHORS: Vasilev, Ts. B., Forafontov, N. V., Shpinel', V. S.
TITLE: Study of the decay types of Ce^{144} by the coincidence method
PERIODICAL: Moscow Universitet. Vestnik. Seriya III. Fizika,
astronomiya, no. 3, 1962, 3-16

TEXT: The decay types of Ce^{144} in an odd-odd Pr^{144} nucleus are studied by means of a β -spectrometer and a luminescence $\beta(\gamma)$ -spectrometer in coincidence circuit, using $\beta-e^-$, e^-e^- and $e^--\gamma$ coincidences to explain certain problems. The results are in agreement with the decay scheme of I. S. Geiger et al. (Nucl. Phys., 16, 1, 1960). The $\beta-e^-$ and e^-e^- coincidence measurements were performed both upon all electrons (total coincidences) and upon individual electron groups separated by a differential discriminator. The variants of the decay scheme can be examined by comparing the intensity of the conversion lines in the coincidence spectrum. The results from measuring $\beta-e^-$ and e^-e^- coincidences are summarized in Fig. 1 and Fig. 2, those of $\gamma-e^-$ and $e^--\gamma$ coincidences in Fig. 4 and Fig. 5, discussed in detail for the individual

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S/188/62/000/003/001/012
B111/B112

Study of the decay types...

conversion lines with the energies 24.5 kev (K-66), 27 kev (L-34), 30 kev (KLL - Auger electrons), 34.5 kev (L-41+KLL-Auger), 38 kev (L-80), 47 kev (L-53), 53 kev (L-59), 59 kev (L-59+K-100), 91 kev (K-134) and 106 kev (K-148+2). Conclusion: The low-intensity transitions include a 140 ± 2 -kev transition. The new 147-kev transition leads to an additional level and the 34-kev transition does not lie in the cascade with the 134-kev transition. There are 6 figures and 3 tables.

ASSOCIATION: NIIYaF

SUBMITTED: May 8, 1961

Fig. 1: spectrum of β -e⁻ e⁻-e⁻ coincidences of Ce¹⁴⁴ in the range from 84 to 140 kev.

Legend: (1) channel number; (2) kev; (3) coincidences with electrons > 50 kev; (4) with electrons > 100 kev; (5) with electrons > 400 kev; (6) intensity; a) total coincidences; (7) with electrons > 240 kev.

Card 2/6 2

VASILEV, Tsvetko

The Dermantsi variegated swine, a new valuable swine breed in Bulgaria.
Priroda Bulg 10 no.6:88-92 '61.

1. Direktor na Raionnii nauchnoizsledovatel'ski institut po zhivotnovudstvo,
Kolarovgrad.

VASILEV, Tsviatko

Distribution of swine breeds in Bulgaria. Priroda Bulg
12 no. 6:46, 56 N-D '63.

1. Institute of Livestock Breeding, Kolarovgrad.

VASILEV, Tsviatko, st. n.sutr.

Problems of pig raising in Bulgaria. Selskostop nauka
3 no. 2:29-37 '64.

VASILEV, Tsviatko

Comparative observations on the productivity and fattening
ability of the Bulgarska Biala and Landras breeds of swine.
Sel'skostonauka 2 no. 3/4 404-412 '63.

VASIL'EV, T.V. kand.med.nauk

Annotations on candidate dissertation ~~on~~ fungus diseases of
the skin defended in 1960. Vest. derm. i ven. no.9:80-83'62
(MIRA 16:7)

(DERMATOMYCOSIS)

VASILEV, V.

Some basic problems concerning reinforcement of Topolnitsa Dam. p.12.

GORSIO STOPANSTVO VOL. 12, no. 1, Jan. 1956

Sofiya, Bulgaria

so. EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956

VASILEV, V.

Results from study of the Soviet CL-1 drill used under our conditions. p. 36.

GORSKO STOPANSTVO VOL. 12, no. 1, Jan. 1956

Sofiya, Bulgaria

so. EAST EUROPEAN ACCESSIONS LIST VOL. 5, no. 7, July 1956

VASILEV, V., inzh.; HESTOROV, P., inzh.

Damages and restoration of small dams. Khidrotekhnika i melioratsiya no. 3: 69-70 '62.

BULGARIA/Electronics - Photocells and Semiconductors Device. H

Abs Jour : Ref Zhur Fizika, No 10, 1959, 23128

Author : Vasilev, V., Kasabov, Y.

Inst :
Title : Contact Potential of Selenium Bases for Rectifiers and Photocells

Orig Pub : Izv. B"lg. AN Otg. fiz.-matem. i tekhn. n. Av. fiz.,
1957, 6, 147-154

Abstract : Using an electrometric method, the authors investigated the contact potential of selenium layers, used for the preparation of rectifiers and photocells, as well as the dependence of the contact potential on various factors (temperature and time of heating of layer, presence of impurities of iodine in the selenium) and also the changes in the contact potential with time (when stored in ordinary atmosphere). It is established that the temperature, time of heating, and the iodine impurities

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BULGARIA/Electronics - Photocells and Semiconductors Device.

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Abs Jour : Ref Zhur Fizika, No 10, 1959, 23128

(0.5%) do not influence substantially the magnitude of the contact potential, which mounts from 5.03 to 5.26 volts (relative to a standard gold electrode with a contact potential of 4.8 volts). The contact potential of the selenium surface is reduced when stored in air (by approximately 4% after 1,000 hours).
Bibliography, 10 titles. -- E.S. Levin

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VASILEV, V.

"The contact potential of selenium layers for rectifiers and photocells."

IZVESTIIA. SERIJA FIZICHESKA, Sofia, Bulgaria, Vol. 6, Jan./Dec. 1956
(published 1957).

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Congress, Volume 8, No. 8, August 1959.

Unclassified

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The work function of cadmium sulfide. Godishnik fiz mat 53
no.2:111-124 '58/'59 [publ. '60].

BORISOV, M.; VASILEV, V.

Obtaining large monocrystals of cadmium sulfide. Doklady BAN
16 no.5:485-488 '63.

1. Kafedra eksperimental'noy fiziki v fiziko-matematicheskoy
fakul'tete Sofiyskogo universiteta imeni Klimenta Okhridskogo.
Predstavleno akad. G. Nadzhakovym, chl. Redaktsionnoy kollegii,
"Doklady Bolgarskoy Akademii nauk."

VASILEV, V., inzh.

National scientific and technological conference on communication.
Tema delo 500: 2 24N '63.

S/194/62/000/003/026/056
D256/D301

AUTHOR: Vasilev, V. and Dryndarov, N.

TITLE: CdS electron work function

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 3, 1962, abstract 3-3-7d (Godishnik Sofiysk. un-t.
Fiz.-matem. fak., 1958-1959 (1960), 53, no. 2, 111-124)

TEXT: The CdS electron work function was measured and its dependence on the vacuum in the system and the thickness of the CdS layer was investigated. A change of the CdS work function was observed after dry air has been let into the system. The work function was measured for samples of CdS containing impurities of Cr and Al. The photosensitivity of the samples can be deduced from the differences in the work function as measured under illumination and in the darkness. [Abstracter's note: Complete translation.]

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BULGARIA

P. BELOPITOV, V. VASILEV and A. MLADENOVA, City Hospital for Rheumatic Fever of Children (Gradska detska protivorevmaticzna bolnitsa), Medical Director (glaven lekar) P. BELOPITOV; and Scientific Institute for Pediatric Research (Nauchno-izsledovatel'ski institut po pediatriya), Director (direktor) St. KOLAROV, [Sofia.]

"Serum Penicillin Concentration During Preventive Treatment of Rheumatic Fever with the Long-Acting Penicillin Preparation Benzacillin."

Sofia, Suvremanna Meditsina, Vol 14, No 5, 1963; pp 44-47.

Abstract: Tests with Bulgarian-made benzathine penicillin, dissolved in special penicillin solvent of State Drug Control Institute (Durzhaven kontrolen institut za lekarstvenia sredstva), 6 to 8 ml. required for 1.2 million units as given to each of 8 children with rheumatic fever. Serum concentration tested on days 1-20 post-injection by inhibition of *Sarcina lutea* strain: irregular, only low level remained in only 4 on day 18, none on day 20. Desiderata for ideal long-acting preparation are discussed. Table.

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GULUBOV, G., prof.; VASILEV, V.

Traumatic injuries to the lumbar spine as a result of vertical weight-bearing. Khirurgia (Sofia) 16 no.2:139-154 '63.

(SPINAL INJURIES) (LUMBOSACRAL REGION)

KOEN, E., dots.; VASILEV, V.

Etiology and pathogenesis of uveitis. Khirurgia (Sofia) 16
no.3:307-316 '63.

1. Iz Katedrata po ochni bolesti pri VMI [Vissh meditsinski
institut] "I.P. Pavlov" - Plovdiv.
(UVEITIS)

Infectious Diseases

BULGARIA

MANOILOV, G., Lieutenant Colonel of the Medical Service, ILIEV, T., Colonel of the Medical Service, LYUTSKANOV, K., Captain of the Medical Service, VASILEV, V., Major of the Medical Service, and GROZEV, G., Senior Lieutenant of the Medical Service

"Occurrence of Q-Fever in the N Detachment in the City of Stara Zagora"

Sofia, Voенно Meditsinsko Delo, Vol 21, No 5, Oct 66, pp 38-43

Abstract: In March 1965 there were 24 cases of Q-fever among members of the N detachment, which was in field training in the vicinity of Stara Zagora. Eight of the cases were severe and 20 were accompanied by pneumonia. An investigation showed that the focus of infection was a sheep breeding farm at which 64 members of the detachment slept. Twenty of those who slept at the farm caught the disease. A number of sheep at the farm were affected by mastitis, and bortions or were sterile. A serological investigation indicated that 62.5% of these sheep had antibodies against *R. burnetti* in their blood. Fourteen of the persons infected had a raised temperature for periods up to 45

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VASILEV, V.

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A111

✓ Work function of gold and aluminum during vacuum-air transition. G. Nadzhakov, V. Vasilev, and St. Palabanov. *Compt. rend. acad. bulgare sci.* 17, 361-4 (1968) (in English). --The contact potential difference, CPD, between a freshly evap. Au or Al surface and a passivated Au surface is measured in vacuum and after the admission of air. For Au in vacuum, the CPD = 0.3 v., giving a work function $\phi_{Au} = 4.48$ e.v., and after the admission of air, ϕ approaches 4.8 e.v., the value for passivated Au. For Al, $\phi_{vac} = 3.15$ e.v., and $\phi_{air} \approx 3.5$ e.v. Measurements of the CPD of passivated metals after evacuation indicated a small increase in ϕ of 0.02-0.03 e.v. For Ag and Al slightly greater increases occurred (0.03-0.04 e.v. and 0.05-0.06 e.v.) while for Cr, ϕ decreased by 0.02-0.05 e.v. Readmission of air restored the original values; this indicated a reversible change. When the same metal was evaporated on the test and reference surfaces, no CPD was observed during either air-vacuum or vacuum-air transitions. FRANK D. COLBERT

ACCESSION NR: AT4017773

B/2503/63/011/01-/0005/0017

AUTHOR: Nadzhakov, G.; Vasilev, V.

TITLE: Influence of atmospheric air and hydrogen on the work function of aluminum, silver, copper and gold

SOURCE: B"lgarska Akademiya na Naukite. Fizicheski institut, Izvestiya na Fizicheskiya institut s ANEB (News of the Institute of Physics and the Atomic Energy Scientific Research Foundation), v. 11, no. 1-2, 1963, 5-17

TOPIC TAGS: electronic work function, work function, air, hydrogen, Al, Ag, Cu, Au, dipole moment, dipole layer, contact potential difference

ABSTRACT: Investigated by the contact potential difference method were changes in electronic work function (ϕ) of metal surfaces (Al, Ag, Cu and Au), freshly evaporated in a vacuum. The changes, traced during transitions from vacuum to air or from vacuum to hydrogen, indicate the adsorption of the foreign molecules or atoms and the formation of a definite dipole moment on the metal layers, when degree of surface coverage $\theta = 1$. Changes of ϕ are plotted, with time, in a series of graphs for the metals tested (a passivated gold plate being used as the standard electrode). The averaged values of jump changes in work function for the

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four metals studied are given in Table 1 of the Enclosure. Computed with the use of formula

$$\mu = \frac{\Delta \varphi_1}{2\pi n_s} = \frac{\varphi_1 - \varphi_0}{2\pi n_s},$$

were changes occurring in an effective dipole moment formed when air or hydrogen was adsorbed on Al, Ag, Cu and Au. The work shows that the initial values of work function φ on a surface (with $\varphi = 0$) must be known in order to obtain more accurate values of the changes observed in electronic work function during the adsorption of a particular gas on a metal plate or to obtain the values of the dipole moments derived therefrom. This requires that the metal be evaporated in a high degree of vacuum. It is noted, in conclusion, that analogous investigations will be continued in future under ultra-high vacuum. Orig. art. has: 9 figures, 10 equations, and 2 tables.

ASSOCIATION: none
SUBMITTED: 20Dec62

DATE ACQ: 04Mar64

ENCL: 02

SUB CODE: PH, GE

NO REF SOV: 002

OTHER: 007

Card 2/12

NADZHAKOV, G., akad.; VASILEV, V.; TONCHEVA, L.

Changes in the work function caused by its warming up
in the air. Doklady BAN 16 no. 4: 349-352 '63.

1. Chlen redaktsionnoy kollegii, "Doklady Bolgarskoy
Akademii nauk".

VASILEV, V.

VASILEV, V. Scientific Technical Session on Electro-technics. p. 23. Vol. 7,
no. 10, Oct. 1956 ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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"National Scientific-Technical Conference on New Problems in the Electric Industry."

p.43 (Tezhka Promishlenost) Vol, 6, no. 9, Sept, 1957. Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

VASILEV, V.

" Dispatching telephones and telemeters for the electric-power plant systems."

p. 12 (Elektroenergiia, Vol. 8, no. 4/5, Apr./May 1957

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6
June 1958.

VASILEV, V.

"National Scientific-Technical Conference on Problems of the Bulgarian
Electric-Power Production."

p. [3] of cover., (Elektroenergiia, Vol. 8, no. 10, Oct. 1957, Sofia,
Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

VASILEV, V.

"Electrification of Threshing Floors."

P. 7 (Elektroenergiia, Vol.9, No. 5, May 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

VASILEV, V.]

"Grafting wild fruit trees." p 26, (KOOPERATIVNO ZEMEDELIE, Vol 6, #1/2, Jan/Feb 1951, Bulgaria)

SO: Monthly List of Russian Accessions, Library of Congress, _____ 1953, Uncl.

VASILEV, V

"Starting orchards on agricultural cooperatives", p 86, (COOPERATING ZEMELIE,
Vol 6 # 3, Mar. 1951, Bulgaria)

East European Vol 2 #8
SO: Monthly List of ~~XXXXXX~~ Accessions, Library of Congress, August 1953, Uncl.

VASILEV, V.

"Possibilities for Producing Complete Fertilizer From Waste Material in the Sugar and Alcohol Industries." p.68 (PRIMODA, Vol. 2, No. 4, July/Aug., 1953, Sofiya.)

SO: Monthly List of East European / Vol. 3, No. 3
Russian Accessions, Library of Congress, March ¹⁹⁵⁴~~1953~~, Uncl.

VASILEV, V.

"We Shall Fulfill the 1953 Afforestation Plan." p.236
(GORSKO STOPANSTVO Vol. 9, no. 5, May 1953 Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9,
Oct. 1953, Uncl.

VASILEV, V; KOSTOV, P.

"Possibility of Mechanizing Productive Processes in Our Forest Nurseries", P. 372. (GORSKO STOPANSTVO, Vol. 10, No. 8, Oct. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol.4, No. 6, June 1955, Uncl.

VASILEV, V.

Correct and cheap method for protecting seed beds in forest and nurseries and other seeded plots from birds. p. 285.

Vol. 11. no. 6, June 1955
GORSKO STOFANSTVO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

VASILEV, V.

Vasilev, V. Adapting the horse plow for work to help natural reforestation.p.375.

Vol. 11, no. 8, Oct. 1955 GORSKO STOPANSTVO Sofiya, Bulgaria

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 5, No. 2
February, 1956

VASILEV, V. I. I.

BULGARIA/Cultivated Plants - Fruits, Berries

M-8

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1737

Author : V. Vasilev, A. Angelov, G. Anadolliyev

Inst : Not Given

Title : The Cherry Tree in the Eastern Rodopi

Orig Pub : Ovoshcharstvo i gradinarstvo, 1956, No 5, 5-9

Abstract : The cherry tree is the most widespread cultivation in the Eastern Rodopi where it thrives on any soil and location, appears on flat ground as well as on slopes of up to 30°, in valleys and elevations of up to 900 m above sea level, it blooms early and bears fruit every year. Almost without care, the trees reach huge dimensions, up to 15 m in height, and yield crops of 50 to 200 kg from one tree. Besides the European varieties (Napoleon, Denisen, Drogan yellow and others), there are many local seed forms and kinds, as well as some improved wild forms. Some of the local kinds even form root shoots (a rather rare phenomenon for this sort). A description of 5 local varieties of the cherry is given: white (Akkirez), red (Kyrmozakirez), black (Karakirez), Bitme (Khadzhi maalebitme) and Droganka.

Card : 1/1

VASILEV, V.

VASILEV, V. Results from the research study made with S-611 Hand-Motor
Sprayer in spraing plantings, forsest belts, etc. p. 371 Vol 12, no. 6.
Oct. 1956 GOESKO STOPANSTVO, Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957